AMENDMENT TO THE CLAIMS

[c01]   (Currently Amended) A method of providing communications services, comprising:

logically bonding <u>and physically connecting</u> a first physical medium to a residential gateway in a subscriber's premises;

<u>physically</u> connecting a second physical medium to the residential gateway;

<u>physically</u> connecting the second physical medium to another residential gateway in another subscriber's premises;

sharing the second physical medium amongst the subscriber's premises and the another subscriber's premises;

receiving a request for communications service from the residential gateway in the subscriber's premises;

when the request[[ed]] communications service exceeds an available bandwidth of the first physical medium, then temporarily dedicating and logically bonding the second physical medium to the residential gateway in the subscriber's premises to provide additional bandwidth, such that first physical medium and the second physical medium share a session of information;

providing ~~the requested~~ communications service via the ~~logically bonded~~ first physical medium and the ~~temporarily dedicated and logically bonded~~ second physical medium; and

when the additional bandwidth is no longer needed, removing <u>a logical bond</u> <u>between</u> ~~the temporary dedicated and logical bonding~~ of the second physical medium; and

reverting the second physical medium to <u>a</u> [[its]] shared configuration~~, thus~~ ~~allowing the another residential gateway to receive increased bandwidth when required.~~

[c02]   (Currently Amended) <u>The</u> [[A]] method according to claim 1, wherein logically bonding the first physical medium comprises logically bonding a twisted pair.

[c03]   (Currently Amended) The [[A]] method according to claim 1, wherein logically bonding the first physical medium comprises logically bonding a coaxial cable.

[c04]   (Currently Amended) The [[A]] method according to claim 1, wherein logically bonding the first physical medium comprises logically bonding a fiber optic cable.

[c05]   (Currently Amended) The [[A]] method according to claim 1, wherein providing the requested communications service comprises transmitting signals via at least one of i) a combination of a twisted pair and a coaxial cable, ii) a combination of a twisted pair and a fiber optic cable, and iii) a combination of a coaxial cable and a fiber optic cable.

[c06]   (Currently Amended) The [[A]] method according to claim 1, further comprising temporarily dedicating and logically bonding additional physical media to the residential gateway, each additional physical media dynamically shared with the another residential gateway to provide additional bandwidth.

[c07]   (Currently Amended) The [[A]] method according to claim 1, wherein providing the requested communications service comprises transmitting signals via a shared twisted pair.

[c08]   (Currently Amended) The [[A]] method according to claim 1, further comprising temporarily dedicating and logically bonding n physical media to the residential gateway, such that first physical medium and the n physical media share the same session of information.

[c09]   (Currently Amended) A method of providing communications services, comprising:

physically connecting configuring a first twisted pair to provide Digital Subscriber Line service to a residential gateway in a subscriber's premises;

physically connecting ~~configuring~~ a second twisted pair <u>to the residential gateway</u> <u>and to another residential gateway in another subscriber's premises</u> for shared Digital Subscriber Line service amongst the residential gateway and <u>the</u> another residential gateway ~~in another subscriber's premises~~;

receiving a request for communications service from the residential gateway;

transmitting digital subscriber line signals to the residential gateway via the first twisted pair;

when the request[[ed]] <u>for</u> communications service exceeds an available bandwidth of the first twisted pair, then temporarily dedicating and logically bonding the second twisted pair to the residential gateway to provide additional bandwidth;

providing ~~the requested~~ communications service via the ~~logically bonded~~ first twisted pair and the ~~temporarily dedicated and logically bonded~~ second twisted pair; ~~and~~

when the additional bandwidth is not needed, removing <u>a logical bond between</u> ~~the temporary logical bonding of~~ the second twisted pair <u>and</u> ~~from~~ the residential gateway; and

reverting the second twisted pair to <u>a</u> [[its]] shared configuration, thus allowing the another residential gateway in the another subscriber's premises to receive increased bandwidth when required.

[c10]   (Currently Amended) <u>The</u> [[A]] method according to claim 9, further comprising sharing <u>a</u> ~~the same~~ session of information.

[c11]   (Currently Amended) <u>The</u> [[A]] method according to claim 9, further comprising <u>sharing</u> <u>a</u> ~~connecting the second twisted pair and the first twisted pair to the residential gateway,~~ ~~such that first twisted pair and the second twisted pair share the same~~ session of information <u>between first twisted pair and the second twisted pair</u>.

[c12]   (Currently Amended) <u>The</u> [[A]] method according to claim 9, further comprising transmitting the digital subscriber line signals to the residential gateway via a third dedicated twisted pair, the third dedicated twisted pair shared amongst the residential

gateway in the subscriber's premises and the another residential gateway in the another subscriber's premises, the third twisted pair providing more additional bandwidth.

[c13]   (Currently Amended) The [[A]] method according to claim 9, further comprising instructing a network device to logically bond the second twisted pair and the first twisted pair ~~when transmitting the digital subscriber line signals to the subscriber's premises, such that first twisted pair and the second twisted pair share the same session of information~~.

[c14]   (Currently Amended) The [[A]] method according to claim 9, further comprising dedicating and logically bonding *n* twisted pairs to the first twisted pair when transmitting the digital subscriber line signals to the residential gateway, such that first twisted pair and the *n* twisted pairs share a ~~the same~~ session of information.

[c15]   (Currently Amended) A method of providing communications services, comprising:

receiving a request for communications services from a residential gateway in a customer's premises;

physically connecting and logically bonding a first physical medium to the residential gateway;

physically connecting a second physical medium to the residential gateway;

temporarily dedicating and logically bonding the [[a]] second physical medium to the residential gateway, the second physical medium being dynamically dedicated and shared amongst multiple residential gateways to provide additional bandwidth when required;

providing the requested communications services via the ~~logically bonded~~ first physical medium and the second physical medium; and

when the additional bandwidth is no longer needed, reverting the second physical medium to a [[its]] shared configuration, thus allowing another residential gateway to receive increased bandwidth when required.

[c16]   (Cancel)